SIGNALS

1-8 9-10

12" 12"

SIGNS

11a

Church LN

11b

Church LN

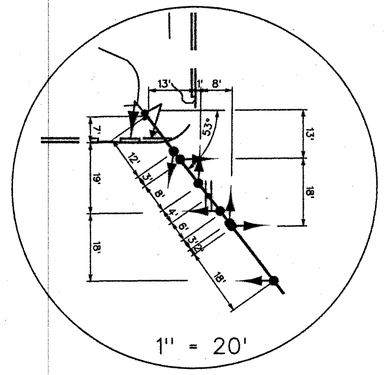
D-3(1)
16" x Var.
(Dual Faced Sign)

12

STOP HERE ON RED

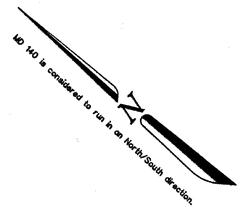
24" x 30"
R 10-6a

R 10-4(1)
9" x 12"
(To Be Installed With Pushbutton)

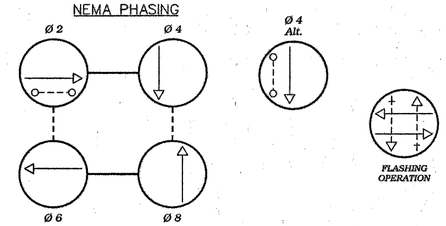


1" = 20'

MAST ARM DETAIL

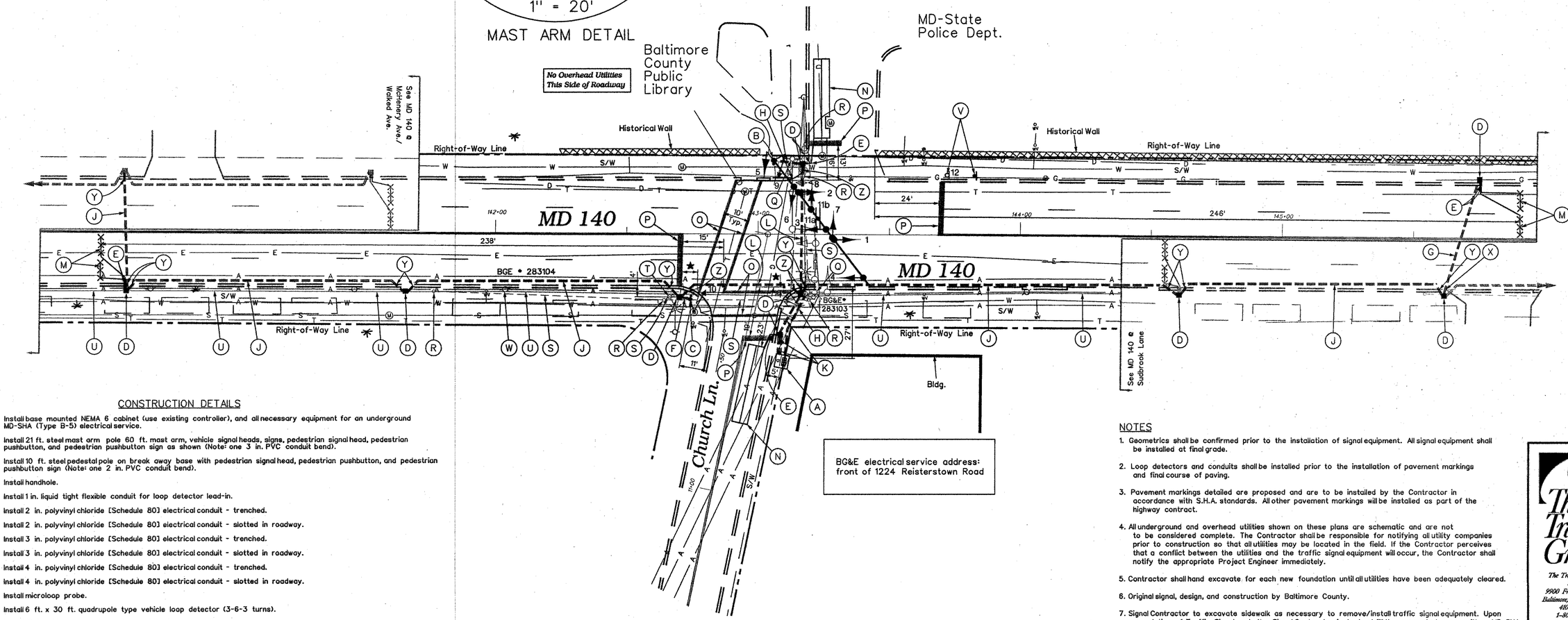


NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY



BG&E electrical service address:
front of 1224 Reisterstown Road

CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet (use existing controller), and all necessary equipment for an underground MD-SHA (Type B-5) electrical service.

B. Install 21 ft. steel mast arm pole 60 ft. mast arm, vehicle signal heads, signs, pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign as shown (Note: one 3 in. PVC conduit bend).

C. Install 10 ft. steel pedestal pole on break away base with pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).

D. Install handhole.

E. Install 1 in. liquid tight flexible conduit for loop detector lead-in.

F. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

G. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.

H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.

K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

L. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.

M. Install microloop probe.

N. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).

O. Install 12 in. wide pavement marking - white for crosswalk.

P. Install 24 in. wide pavement marking - white for stop line.

Q. Remove existing mast arm pole.

R. Remove existing splice box.

S. Cap and abandon existing conduit.

T. Remove existing traffic signal pedestal pole.

U. Remove existing overhead interconnect.

V. Relocate existing "Bus Stop" sign to new sign post as shown. Replace existing "Stop Here on Red" sign with a new R 10-6a sign on existing sign post.

W. Remove existing PVC riser used for interconnect.

X. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.

Y. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.

Z. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.

★Crosswalks are to be installed in line with the Handicap ramps as directed by the Project Engineer.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment shall be installed at final grade.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings and final course of paving.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with S.H.A. standards. All other pavement markings will be installed as part of the highway contract.
4. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
5. Contractor shall hand excavate for each new foundation until all utilities have been adequately cleared.
6. Original signal, design, and construction by Baltimore County.
7. Signal Contractor to excavate sidewalk as necessary to remove/install traffic signal equipment. Upon completion of Traffic Signal work the Signal Contractor is to backfill the excavated areas with a MD-SHA approved material. The restoration of the sidewalk areas is to be completed by others.

The Traffic Group

The Traffic Group, Inc.
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Baltimore, Maryland 21236
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1-800-583-8411
Fax 410-931-6601
Job. No. 9707277-026
SIG4.DGN

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

G — G GAS MAIN
W — W WATER MAIN
S — S SEWER MAIN
E — E ELECTRIC CABLES
D — D STORM DRAIN
A — A AERIAL CABLES
T — T TELEPHONE CABLES

REVISIONS

APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION — 12/7/99

ASST. DISTRICT ENGINEER - TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 12-6-99

DIRECTOR, OFFICE OF TRAFFIC & SAFETY — BDC 12-7-99

MDOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 140 at Church Lane

DATE: November 3, 1999 LOG MILE • 03014001.09

DRAWN BY: JES
CHK. BY: 12-6-99
SCALE: 1" = 20'

F.A.P. NO. SEE TITLE SHEET
S.H.A. NO. BA3035183
COUNTY: Baltimore

PLAN SHEET NO.: 203A

SHEET NO. 36 of 81

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